

CHARLOTTE HARBOR AND COASTAL AREA

262620081523700 Estero Bay near Horseshoe Keys Fl

LOCATION.--Lat 26° 26' 20", Long 81° 52' 37", in T. 46S., R. 24E., Lee County, Hydrologic Unit 03090204, at Horseshoe Keys, .8 mi southwest from mouth of Mullock Creek, and 11 mi southwest of Fort Myers.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--

GAGE HEIGHT: October 2001 through September 2005.

SALINITY: October 2001 through September 2005.

WATER TEMPERATURE: October 2001 through September 2005.

GAGE.--Satellite data collection platform with water-stage shaft encoder, water-quality monitor. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Salinity record rated excellent except for the following periods: Oct. 2-31, Nov. 1-2, Nov. 18-30, Dec. 1-31, Jan. 1-6, Jan. 19-28, Apr. 19-30, May 1-11, May 21-31, June 1-11, June 18-19, July 31, Aug. 1-9, Aug. 12-15, rated good; Nov. 3-4, June 12-16, June 20, Sept. 16-17, rated fair; and June 21-25, Sept. 18-25, rated poor. Temperature record rated good. Elevation of the salinity-temperature sensor is -1.21 ft NGVD '29. Gage height, salinity and temperature, 15 minute data, are available in files of the Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

GAGE HEIGHT: Maximum gage height, 5.14 ft Aug. 13, 2004; minimum, -1.56 ft Mar. 4-5, 2002.

SALINITY: Maximum recorded, 37.5 ppt June 7, 2002, but may have been higher during period of missing record; minimum recorded, 2.2 ppt June 13, 2005, but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 35.7°C Aug. 15, 2005, but may have been higher during period of missing record; minimum recorded, 7.2°C Jan. 28, 2003, but may have been lower during period of missing record.

EXTREMES FOR CURRENT YEAR.--

GAGE HEIGHT: Maximum gage height, 3.37 ft July 10, but may have been higher during periods of missing record; minimum, -1.46 ft Dec. 13, but may have been lower during periods of missing record.

SALINITY: Maximum recorded, 34.4 ppt May 21, but may have been higher during period of missing record; minimum recorded, 2.2 ppt June 13, but may have been lower during period of missing record.

TEMPERATURE: Maximum recorded, 35.7°C Aug. 15, but may have been higher during period of missing record; minimum recorded, 12.1°C Jan. 24, but may have been lower during period of missing record.